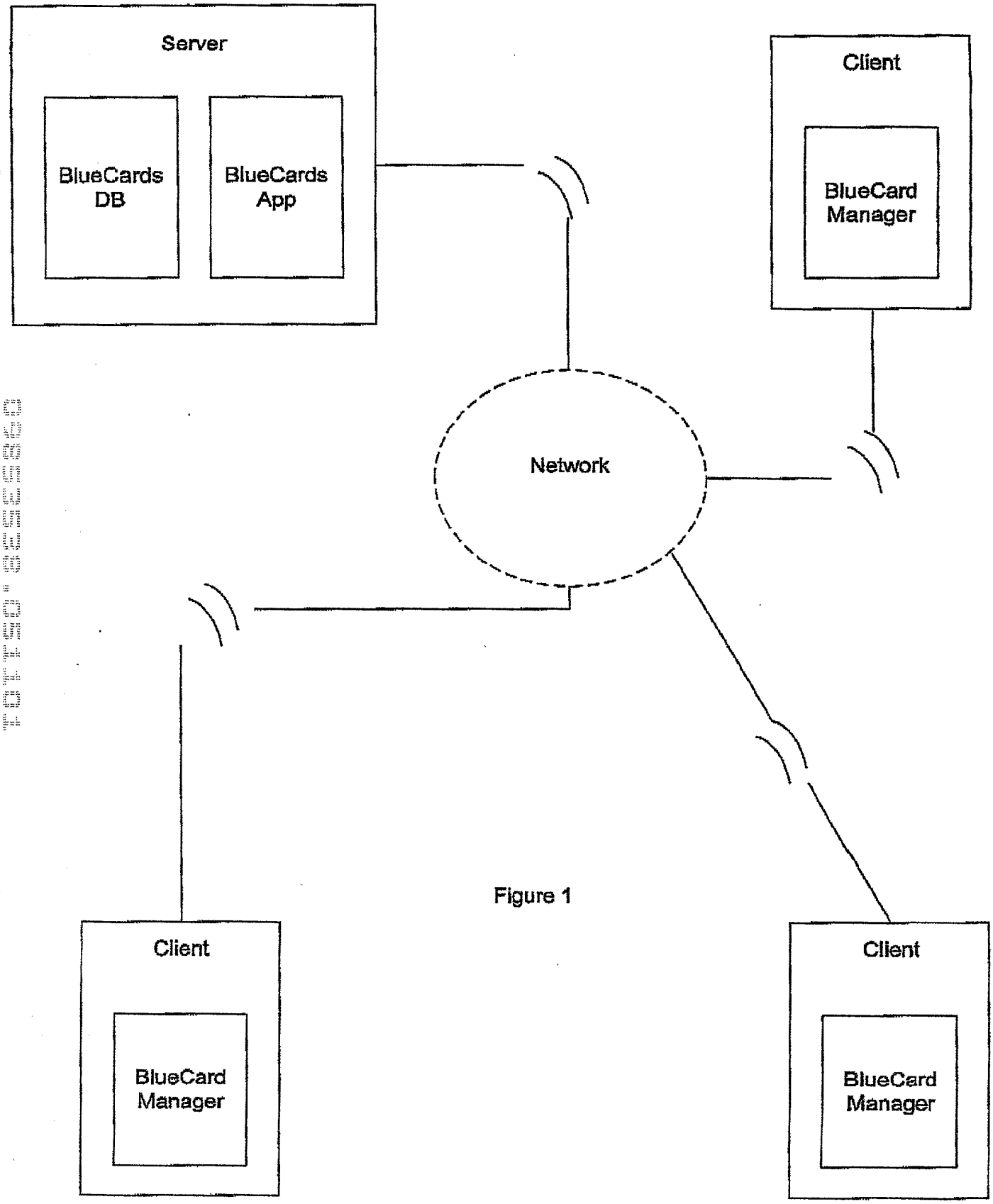

Server
BlueCards DB
BlueCards App
Client
BlueCard Manager
Network
Client
BlueCard Manager
Client
BlueCard Manager

Figure 1

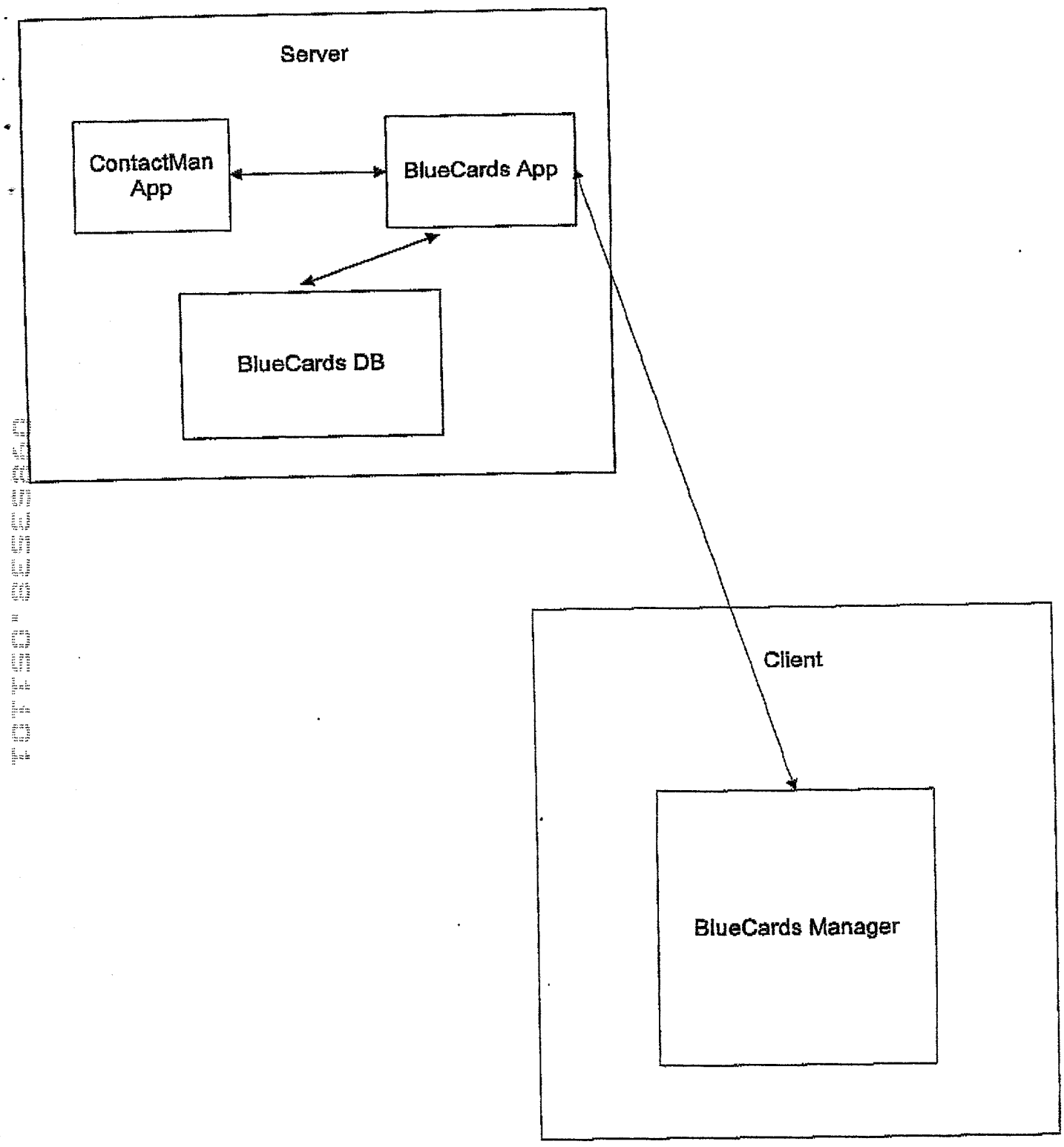

Server
ContactMan App
BlueCards App
BlueCards DB
Client
BlueCards Manager

Figure 2

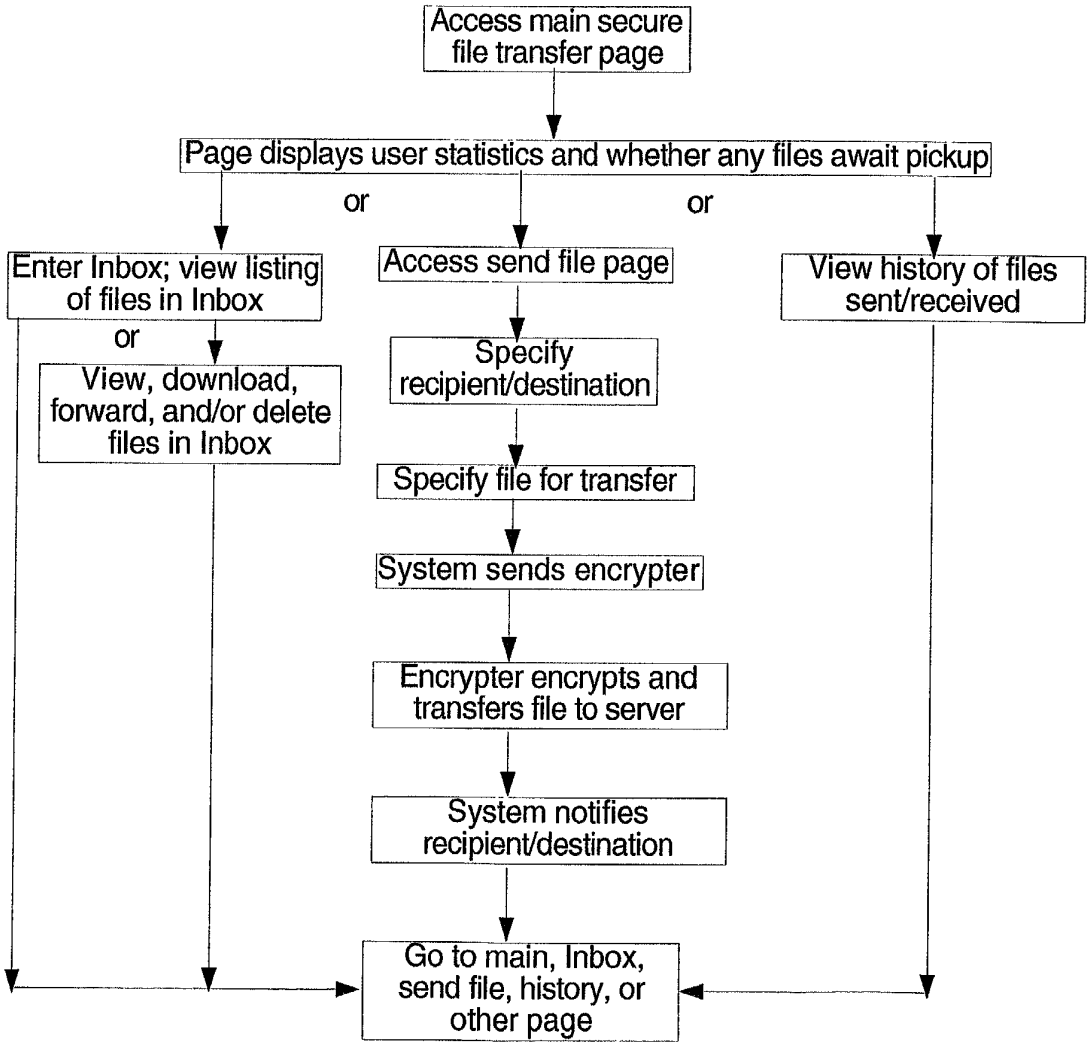
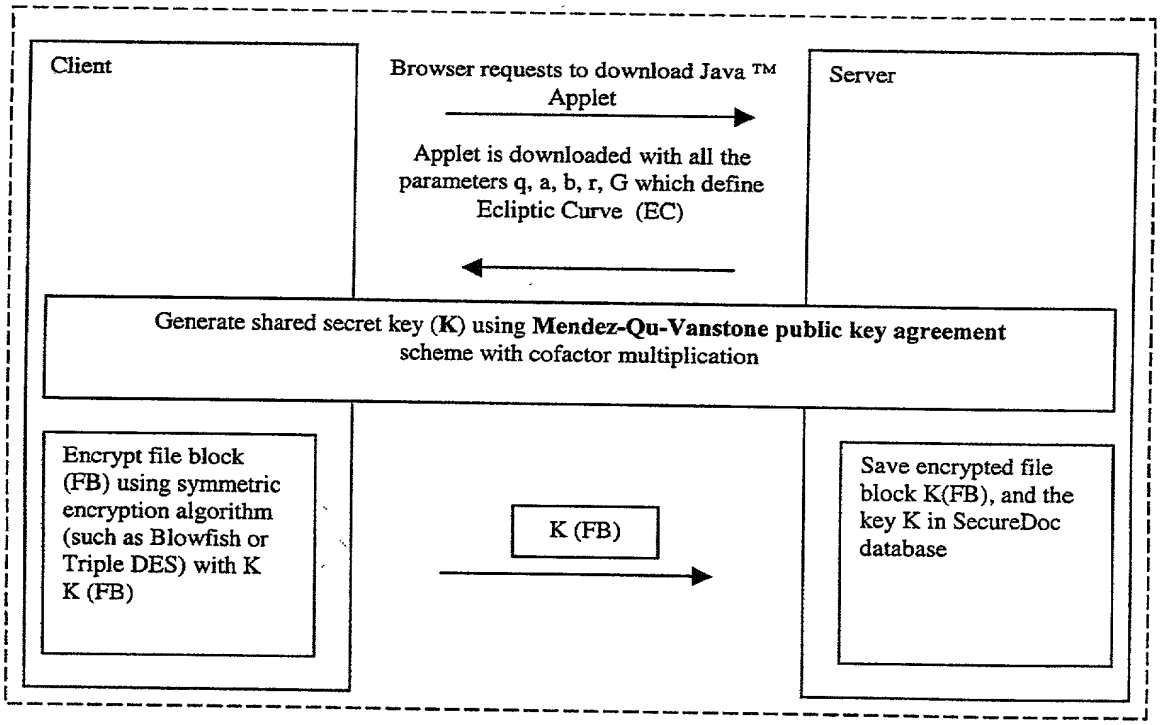

Access main secure file transfer page
Page displays user statistics and whether any files await pickup
or
or
Enter Inbox; view listing of files in Inbox
or
View, download, forward, and/or delete files in Inbox
Access send file page
Specify recipient/destination
Specify file for transfer
System sends encrypter
Encrypter encrypts and transfers file to server
System notifies recipient/destination
View history of files sent/received
Go to main, Inbox, send file, history, or other page

FIG. 3

Sending a file block



Receiving a file block

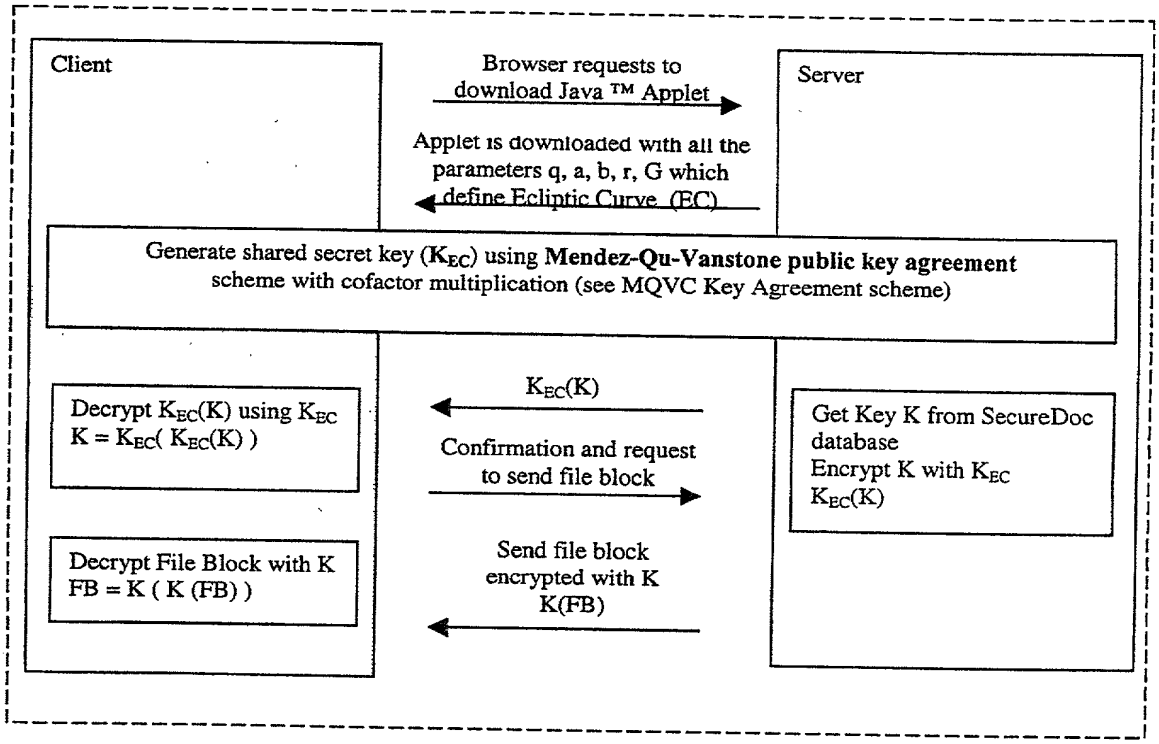


FIG. 4

Mendez-Qu-Vanstone Key Agreement – version with cofactor multiplication (MQVC)
(According to IEEE P1363 draft February 8, 1999)

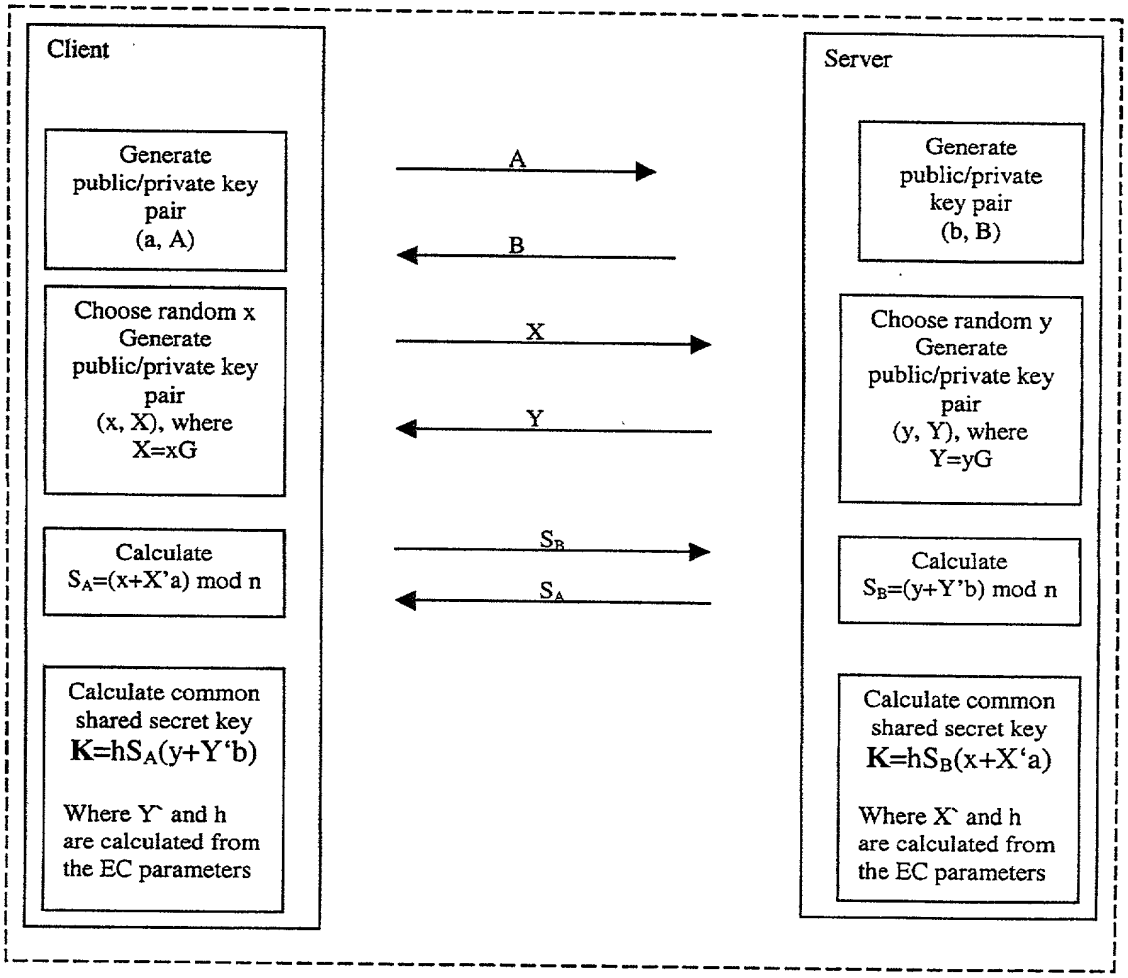
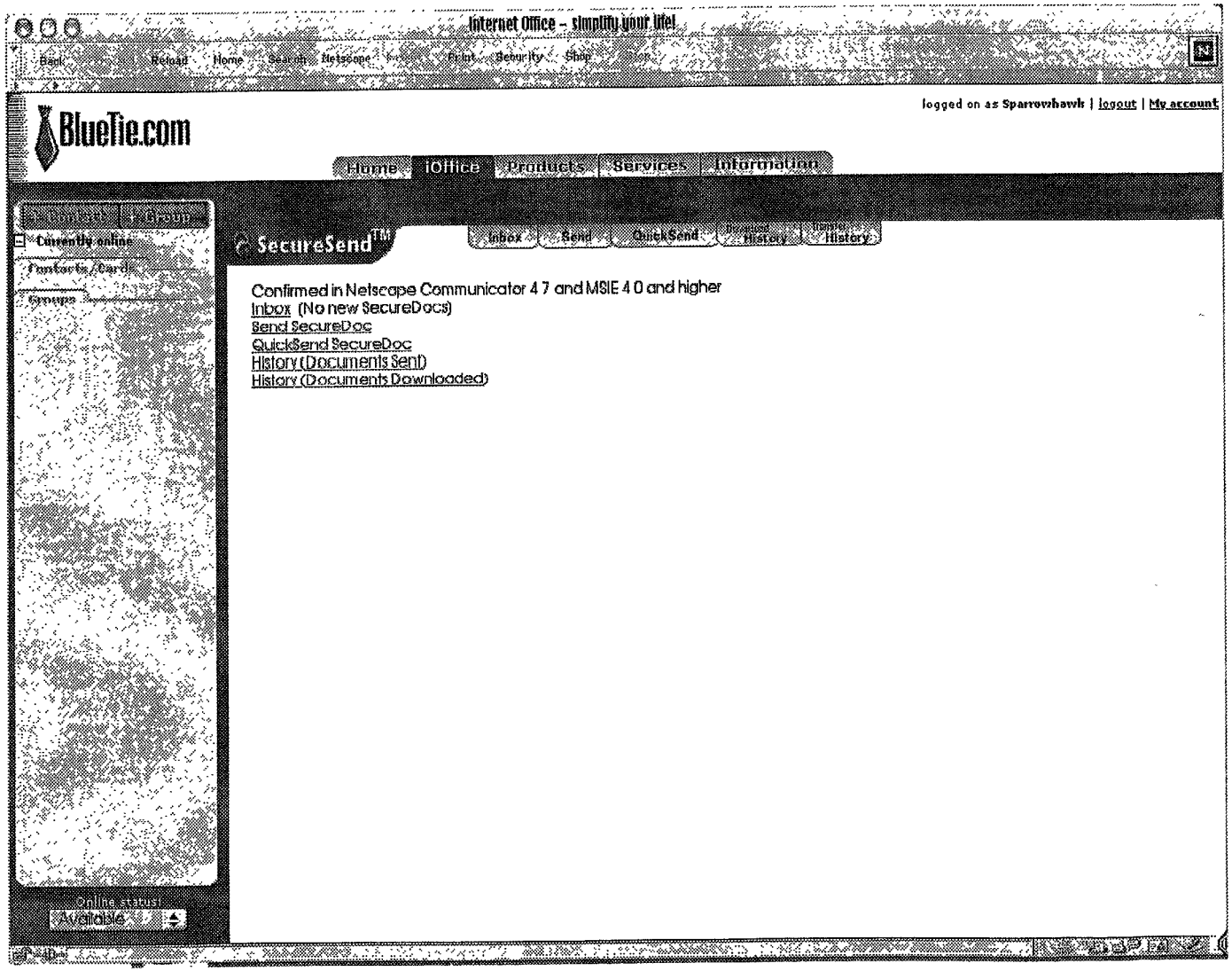


Fig 5

FIG. 6


Internet Office - simplify your life!
logged on as Sparrowhawk | logout | My account
BlueTie.com
Home
iOffice
Products
Services
Information
Currently online
Contacts
Groups
Online status:
Available
SecureSend™
Inbox
Send
QuickSend
Document History
Transfer History
Confirmed in Netscape Communicator 4.7 and MSIE 4.0 and higher
Inbox (No new SecureDocs)
Send SecureDoc
QuickSend SecureDoc
History (Documents Sent)
History (Documents Downloaded)

DOCUMENT CLASSIFIED

FIG. 7

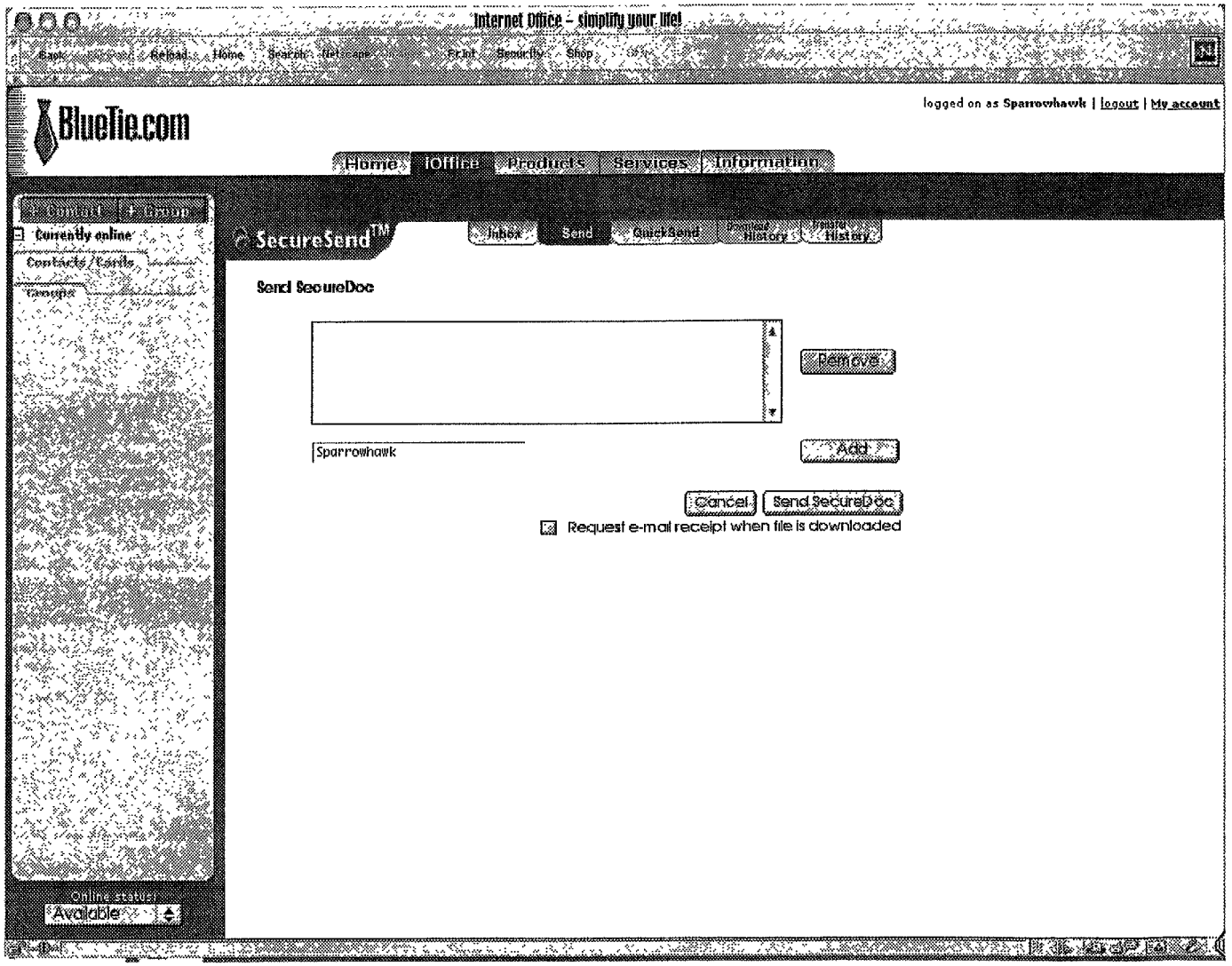
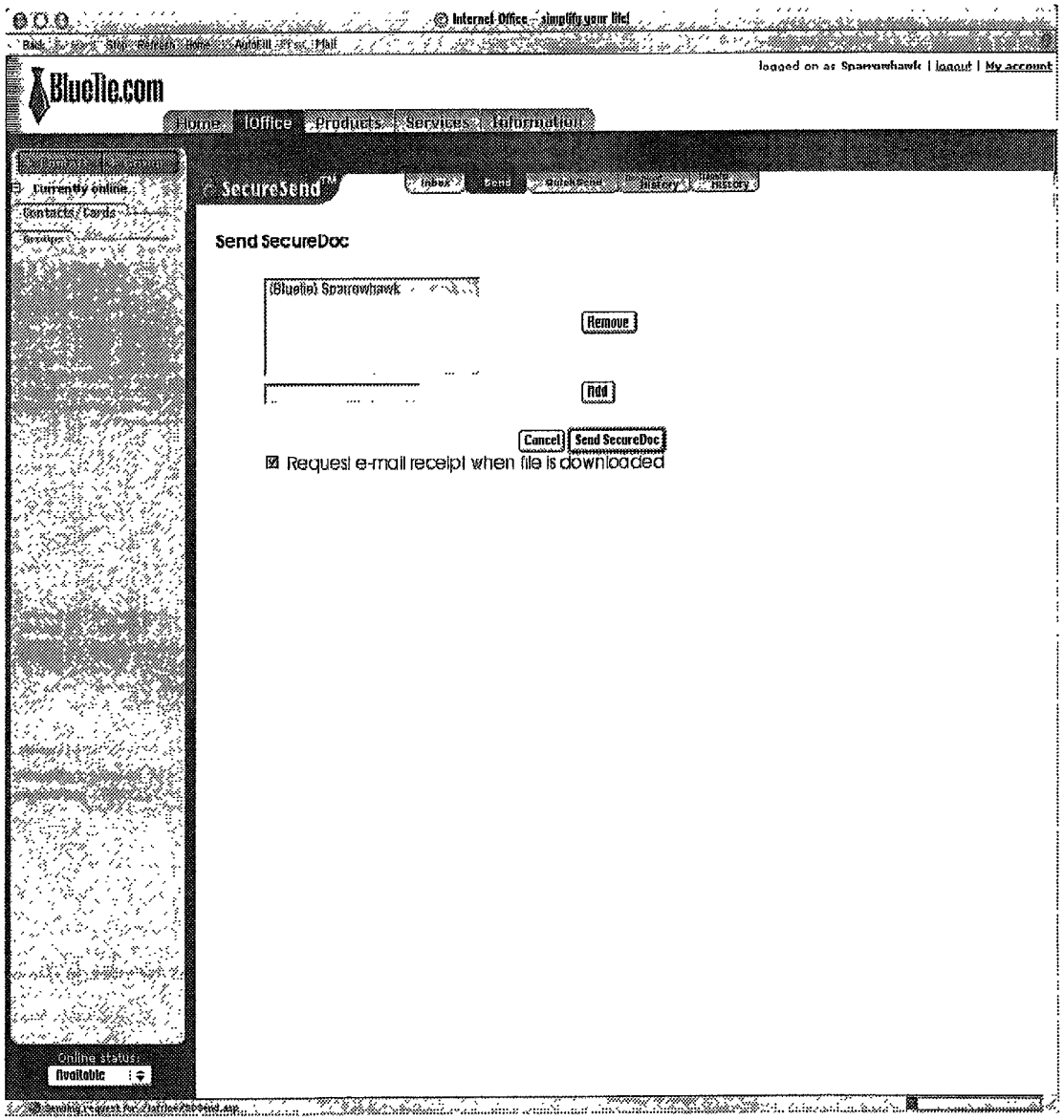


FIG. 8


Internet Office - simplify your life!
logged on as Sparrowhawk | logout | My account
BlueTie.com
Home
tOffice
Products
Services
Information
Currently online
Contacts
Cards
SecureSend™
Inbox
Send
Quick Send
History
Settings
Send SecureDoc
(BlueTie) Sparrowhawk
Remove
Add
Cancel
Send SecureDoc
Request e-mail receipt when file is downloaded
Online status:
Available

PATENT APPLICATION

FIG. 9

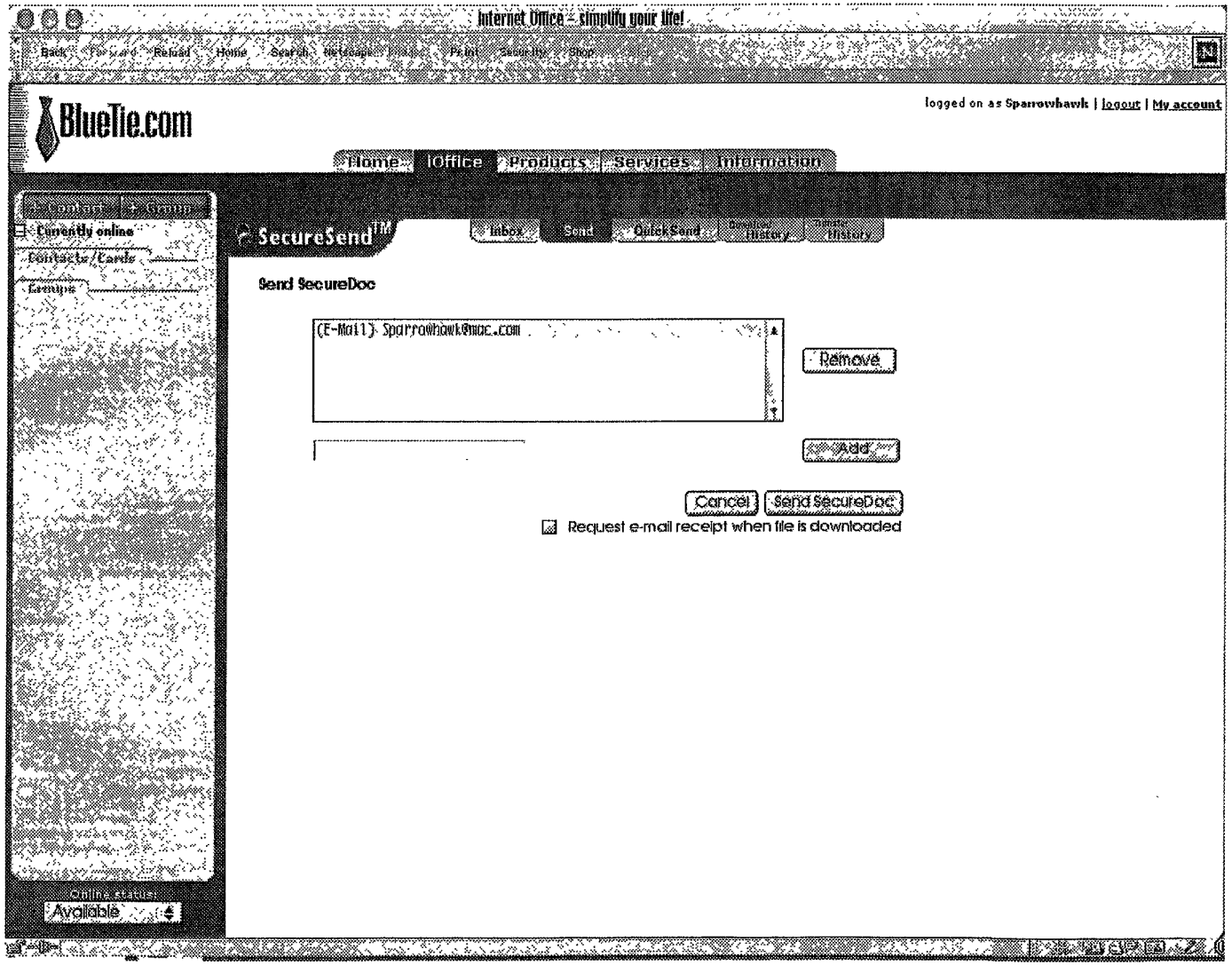


FIG. 10

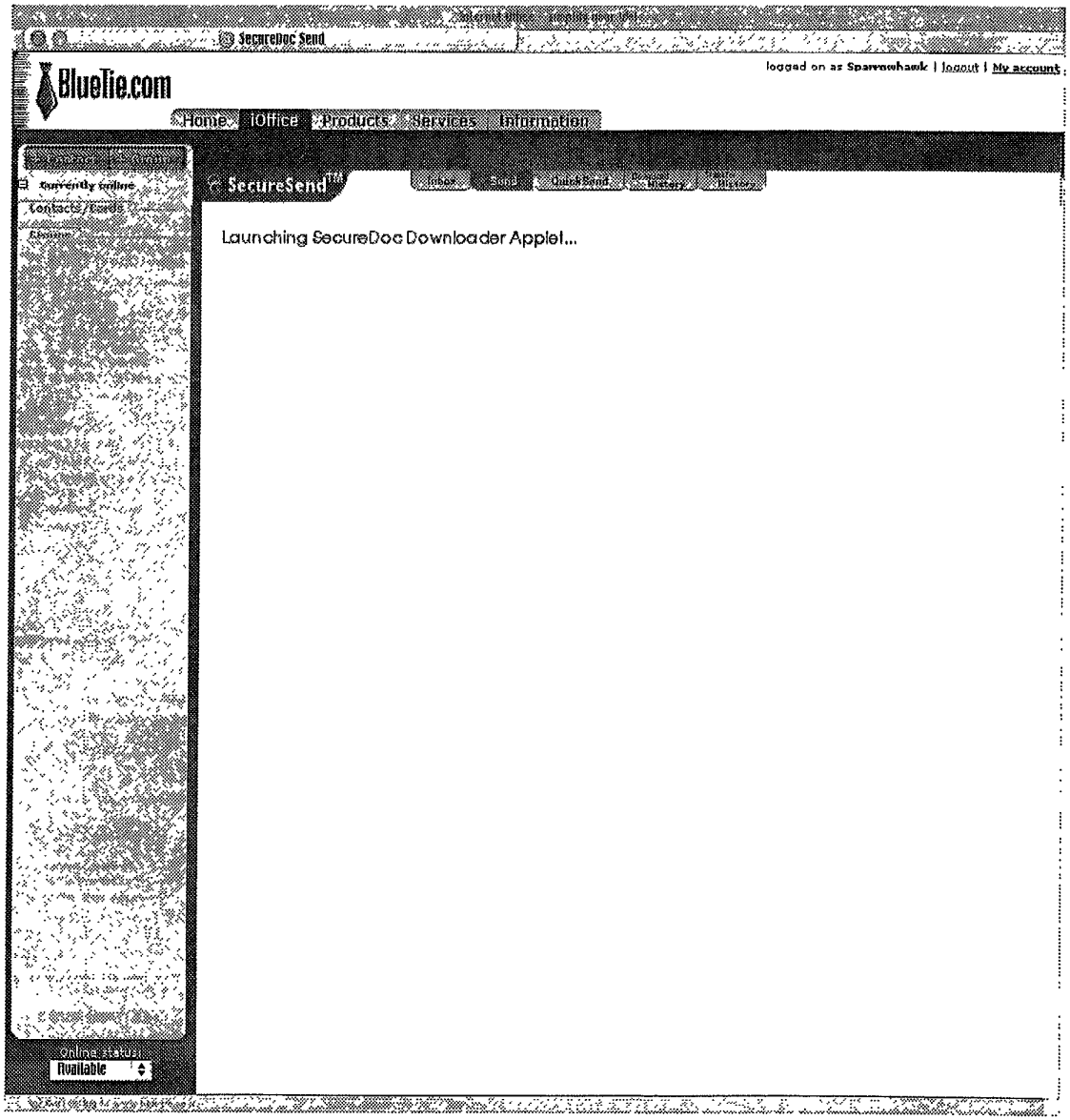

SecureDoc Send
BlueTie.com
logged on as Sparrowhawk | logout | My account
Home
iOffice
Products
Services
Information
SecureSend™
Launching SecureDoc Downloader Applet...
Online Status
Available

FIG. 11

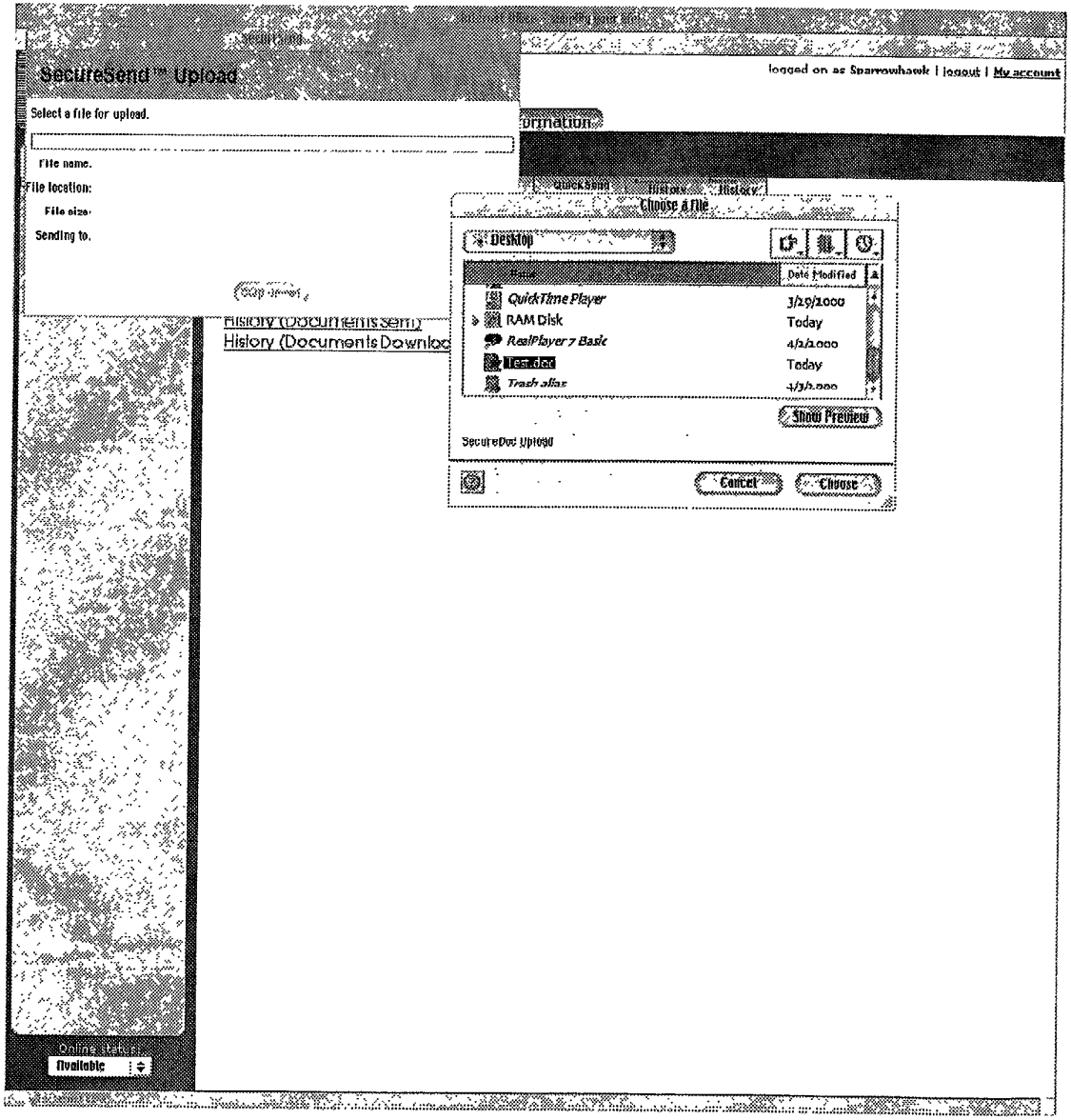
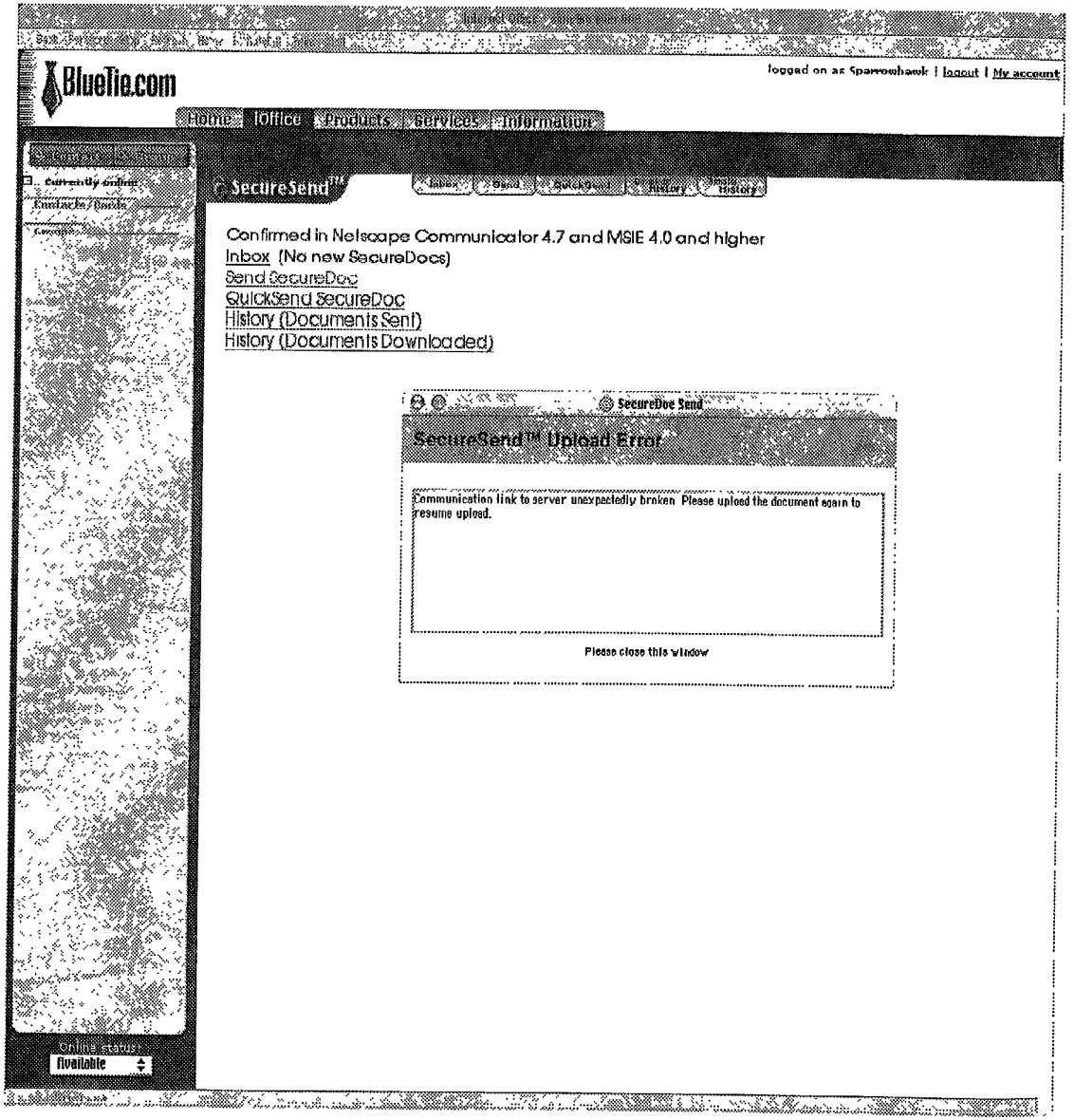

SecureSend™ Upload
Select a file for upload.
File name.
File location:
File size:
Sending to.
logged on as Sparrowhawk | logout | My account
Choose a File
Desktop
Date Modified
QuickTime Player 3/19/1999
RAM Disk Today
RealPlayer 7 Basic 4/3/1999
Test.doc Today
Trash alias 4/3/1999
Show Preview
SecureDoc Upload
Cancel
Choose
Available

FIG. 12


BlueTie.com
logged on as Sparrowhawk | logout | My account
Home
Office
Products
Services
Information
SecureSend™
Confirmed in Netscape Communicator 4.7 and MSIE 4.0 and higher
Inbox (No new SecureDocs)
Send SecureDoc
QuickSend SecureDoc
History (Documents Sent)
History (Documents Downloaded)
SecureDoc Send
SecureSend™ Upload Error
Communication link to server unexpectedly broken. Please upload the document again to resume upload.
Please close this window
Online status:
Available

PATENT APPLICATION

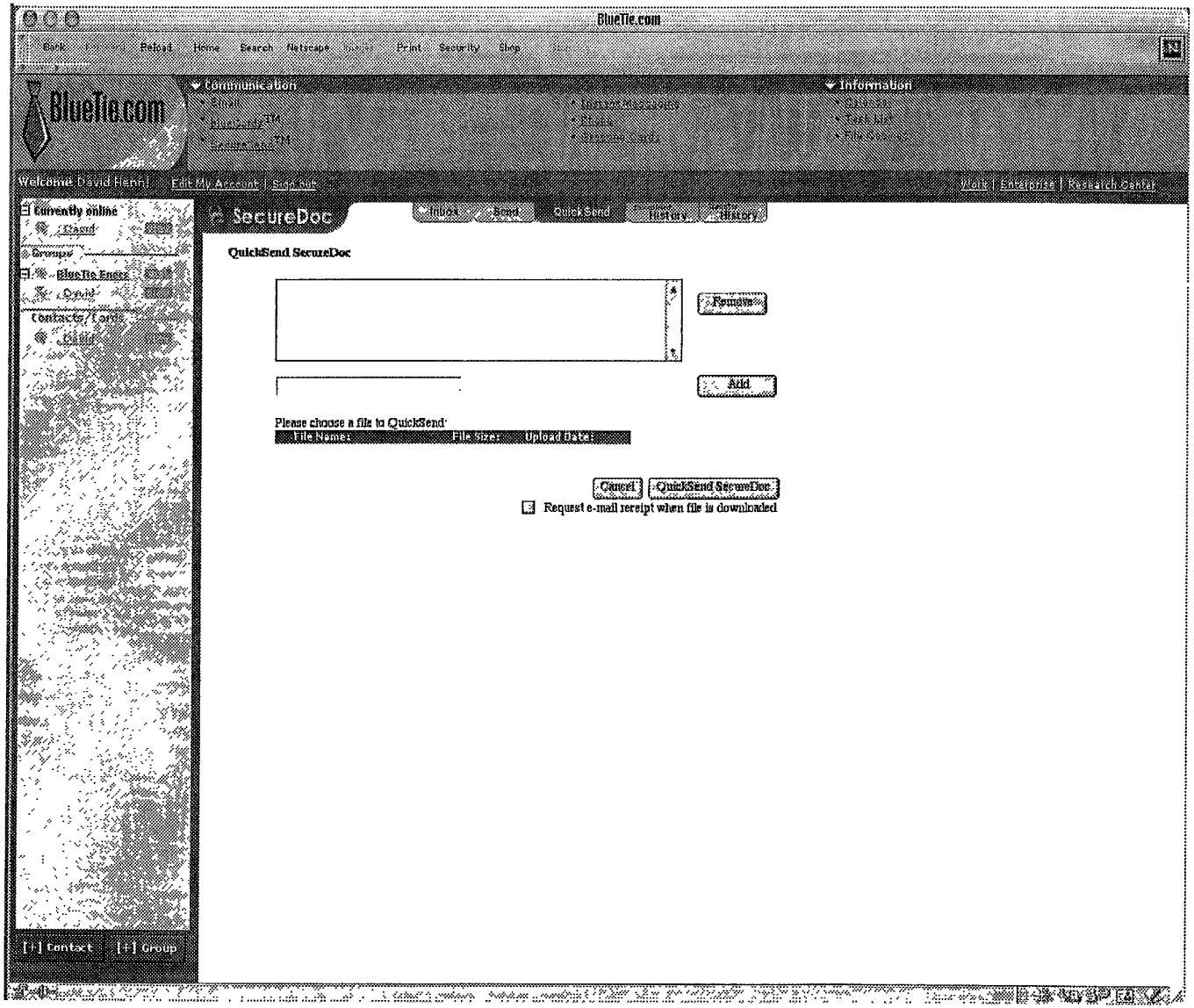


FIG. 13

PATENT APPLICATION

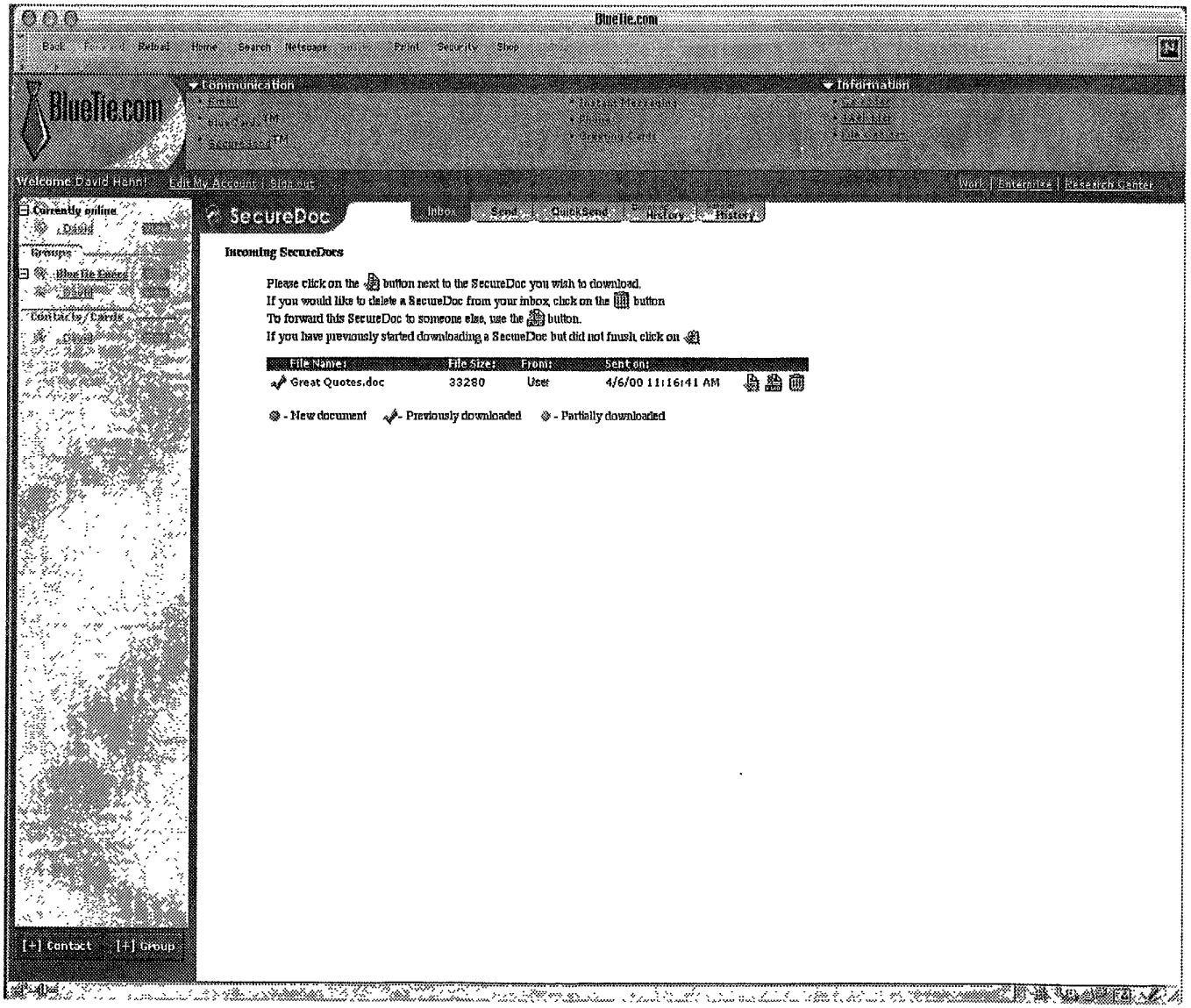


FIG. 14